

S6 6 75%

$$\frac{\text{出}}{a} = \frac{\text{入}}{b} + \frac{\text{初}}{c}$$

$$\begin{aligned} \star 500 \cdot a \cdot \underline{5} &= \underline{5}b + C \quad \textcircled{1} \\ \star 600 \cdot a \cdot \underline{4} &= \underline{4}b + C \quad \textcircled{2} \end{aligned} \left. \vphantom{\begin{aligned} \star 500 \cdot a \cdot \underline{5} &= \underline{5}b + C \quad \textcircled{1} \\ \star 600 \cdot a \cdot \underline{4} &= \underline{4}b + C \quad \textcircled{2} \end{aligned}} \right\} \begin{aligned} &\underline{100a = b} \\ &\textcircled{1} \text{より } \underline{C = 20b} \end{aligned}$$

$$\star \underline{x \cdot a \cdot 10 + (10 + 20 \dots 90)a = 10b + C}$$

$$\underline{10}a x + 450a = \underline{1000}a + 2000a$$

$$\underline{x = 300 - 45 = 255}$$

S6 5 78%

$$\underline{\underline{\text{出} = \text{入} + \text{初}}}$$

$$a/\text{分} \quad b/\text{分} \quad C$$

$$1 \times \underline{60} \cdot a = 20 \cdot \underline{60} + C \quad \textcircled{1}$$

$$\underline{5 \times \underline{6} \cdot a = 20 \cdot \underline{6} + C} \quad \textcircled{2}$$

$$\begin{array}{l} \textcircled{1} \rightarrow 60a = 1200 + C \\ \textcircled{2} \rightarrow 30a = 120 + C \end{array} \quad \left. \vphantom{\begin{array}{l} \textcircled{1} \rightarrow 60a = 1200 + C \\ \textcircled{2} \rightarrow 30a = 120 + C \end{array}} \right\} \Rightarrow \begin{array}{l} 30a = 1080 \\ \underline{a = 36} \end{array}$$

$$60 \times 36 = 1200 + C$$

$$C = 2160 - 1200 = \underline{\underline{960}}$$